

# EUROPEAN PATENT OFFICE

## Patent Abstracts of Japan

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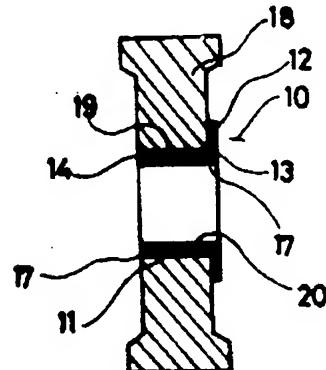
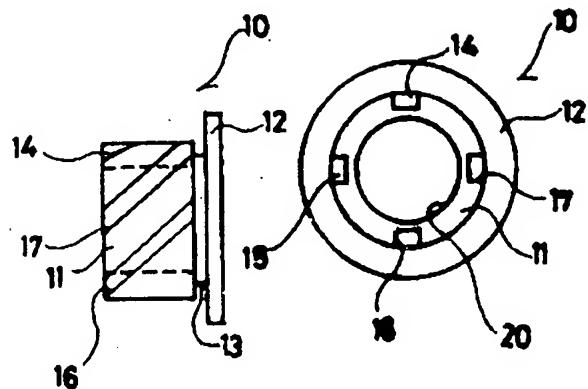
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APPLICATION NUMBER : 56067108

APPLICANT : AISIN CHEM CO LTD;

INVENTOR : IKEDA TAKASHI;

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TITLE : BUSH FOR RESIN GEAR IN ENGINE



ABSTRACT : PURPOSE: To prevent the production of the noise by notching a plurality of spiral grooves in the shaft section of a bush for a resin gear thereby eliminating the gap between the bush and the gear.

CONSTITUTION: A metallic bush 10 is equipped with a shaft section 11 and a flange section 12 and a circular groove 13 is formed between them. While four grooves 14, 15, 16, 17 are notched spirally in the shaft 11. The shaft 11 of the bush 10 is fitted in the boss 19 of a resin gear 18 in an engine. Since it is fitted at the molding of the gear 18, the boss 19 of the gear 18 will gear with the grooves 14, 15, 16, 17 formed in the shaft section 11 of the bush 10 and the circular groove 13 thus to couple the bush 10 and the gear 18 integrally.

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